

Full MDS AI updated ~~sept 10~~oct 10

AI5 – Exceptions when testing RFT thread (may 23 mail), mike will follow up, we think this is a general problem not a MDS one – mike to enter Bugzilla bug,

ACTIVE (8/12) – mike to enter bug by end of week if it's still in 4.0.1; 8/24 mike talked to ravi, ravi in process of verifying, waiting on ravi, 9/26 – mike to poke ravi

AI10 – jen to figure out how to move forward on SC paper

ACTIVE (8/10) – Ioan running additional experiments; ~~JMS to send mail about making graphs simpler, add mike to cc list (Sent aug 25); Ioan running out of FD, jarek tracking this, MIKE to talk with them at VG, Neill to talk to Ioan post vacation (9/9), 9/26 – Ioan sent some graphs, JMS to move next~~10/10 – JMS sent mail with next steps

AI11- Performance experiments- neill – waiting til 4.0.1

Set up a long term test with 100 entries

What about doing something with the NMI testbed

ACTIVE: ~~Neill in the process of installing 4.0.1 on ISI machines that are currently up. (8/10) 8/24 – not running yet; 8/24 – MIKE AND NEILL – debug client problems; 9/26 – up and running just over 30 days with 100 entries, each query ~200K~~

AI13 – put in an enhancement request to make query count an RP for 4.0.2 (ver?)

ACTIVE (8/12) – Mike working on this, related to AI12, (8/25) MIKE to talk to jarek at VG and come up with the right way to have the hooks; on hold pending TG and such, really in Jarek court, wake up when mike is back

AI22 – jen to do her own documentation bugs

ACTIVE (8.10) – 10/10 did all except the software solutions page

~~AI23 – figure out usage stats work and write campaign~~

~~ACTIVE/HOLD – maybe mike, probably 1 week of work to do implementation; JMS has suggested mike write campaign instead, should be discussed, 9/26 on hold~~

AI24- mike to ask mai/gurang about Montage/SCEC gridftp info needs

~~ACTIVE/HOLD – mike hasn't done this, but this could be source of another campaign for other resources, JMS should contact sridar (9/9)~~JMS sent mail to Sridhar on 10/10

AI25 – MDS and Pegasus/VDS -

ACTIVE- JMS to follow up on attribute list (9/16)

~~AI26 – everyone has an account on TG~~

~~ACTIVE 7/27 – still being sorted; MIKE going to check SDSC today, Laura still doesn't have SDSC account (8/25 – laura has account), DONE~~

AI28 – info provider for clumon, joshi to do XML file

ACTIVE- 8/10 - -mike sent joshi mail to determine status

8/24 – joshi sent sample, mike has sample info provider set, we're waiting on Joshi to rearrange data, neill to contact joshi on this to poke it along

9/16 – JMS to follow up on attribute list

9/26 – neill to send JMS mail for updates

AI29 - Laura talking with portals

ACTIVE –(8/10) people have been on holiday, to continue this week (8/24),

AI30 – PBS info provider extensions – NEILL (also torque)

ACTIVE: PBS info provider extensions. Should be able to check into CVS shortly (8/10), working with JP on max number issue, 8/24 – done except for gatekeeper ports, going to ask stu; 9/26 – nearly complete, still don't have dynamic gram version yet

AI31- Ganglia info provider extensions – Neill

ACTIVE – working on it (8.10); 8/24 Neill to contact JP about getting TG specific data from non-clumon system, 9/29 working on it

AI33 – what science gateway to work with – JMS

ACTIVE – mail sent 8/10 to CeC and Liming to determine what's going on; 8/24 JMS to follow up with ian and carl in September (sent mail aug 25); 9/16 Ian says he sent mail to Nika, JMS to follow, 9/29 JMS to follow up with Nika and Nick K., talk to john McG at SC? 10/10 – mail sent to nika (FOAM runs); 10/10 sent mail to nick suggesting meeting 10/19; 10/10 sent mail to john mcg seeing if he's interested as well;

AI34 – TG Overview doc to OSG

ACTIVE – 8.10 – JMS to follow up with Stu to make sure Ian's edited version (plus corrected WebMDS link) gets given to OSG; 8/25 JMS to put online for MDS pages, perf inside pages; Document given to TG, JMS to follow up with CeC on software information (9/16) Still need to do 9/26 10/10- mail sent to CeC, lee and ian with SW info and meeting suggestion for oct 19-21

AI35 - MDS4 on windows- viva Globus discussion topic

mike's going to do this as an unsupported tool

mike is going to writeup documentation for doing this from CVS still will be unsupported, to be in 4.0.1 docs

ACTIVE – mike to do this week (8/24)

Also add note to bug 3312

Mike says he will do before he leaves

AI37- Mei and trigger

notes from last time

"can we write this up as an example and advertise?

What about their info providers?

Mike will follow up to see what these look like

What about the work she needs done?

- 1) no argument can be supplied to the trigger action script so you need multiple action scripts to do similar things
  - a. this may be seen as an interface change, but could be backwards compatible to no arguments easily jen will make this argument to the board
  - b. could be a trigger patch won't be in 4.0.1
  - c. mike to follow up on this
- 2) when action script is executed we pass entire datablob , need more flexibility in what gets passed to action script
- 3) neither of these are hard to do, but both are technically "interface changes" but if backwards compatible"  
ACTIVE (8/10) – mike to get ½ page writeup to JMS, 9/26 – still not done

AI40 – lara looking for hourly student to do XSLT work  
ACTIVE – lara (8/11), still working on this 9/26

~~AI42 – Need to document and collate schemas (bug 3607)  
ACTIVE – assigned to cristina, lara will talk to her (8.24), DONE~~

AI43 – work with OGSA dai to get service to automatically register to the container and publish 3 basic pieces of data (service name, version, start time)  
ACTIVE – neill to follow up with ogsa-dai group for initial patch, then continue with information work; first part is done (JMS to ask ogsa-dai guys), 9/26 – nneill working with Ally and first half is happy, service meta data still not done

AI44 – Neill to look at patch from discuss guy (8/22 mail)  
ACTIVE – 9/26 – he was adding PBS features, trying to include stuff

~~AI46 – Neill to set up prototype index server of new pbs data at sdsc for lara to access remotely  
DONE~~

AI47 - TG mail discussion including Inca integration (mail 8/17, subject "Re: GT4 Info services prototype plans")  
ACTIVE - jms to followup on, mats might be looking at this

AI48 - inca info provider campaign to write  
ACTIVE – jms (8/24)

AI49 - archiver campaign to write  
ACTIVE – jms (8/24)

AI50 - sceec gridftp info provider campaign to write  
ACTIVE – jms (8/24), contact Sridar (proj manager of sceec) for details on info needed – [related to AI24](#)

AI51 - nagios info provider campaign to write

ACTIVE – jms (8/24) 9/16 – campaign written, Neill has looked it over, but has to wait on UsefulRP work to start I think?, 9/26 – discussed, need documentation written before staffing 10/10 – sent draft campaign to Neill

AI52 - Pegasus/VDS info provider campaign to write  
HOLD – jms (8/24) – til after Sept 14 meeting

AI53 - OSG LDAP -> XMP mapping for information campaign to write  
HOLD – jms (8/24) – til after Aug 30 meeting and discussion with laura; 9/26 – how do we weigh this with the OSG schema changes?

AI54 - C Client side interfaces to index server campaign to write  
ACTIVE – jms (8/24)

AI55 – add perf inside page to CVS so other people can edit  
ACTIVE – jms (9/9)

AI56 – laura to work with OSG to get MDS4 deployed  
ACTIVE – laura (9/9), 9/26 – plans to be in there next release, LAURA to follow up on which providers they need; JMS follow up on VDT having MDS2 in it for OSG

AI57 – performance benchmarking campaign with heart guys and Gropp  
ACTIVE – JMS to write (9/16)

~~AI58 – information providers for OSG for MonaLisa and BDH  
HOLD – laura (9/9)~~

~~AI59 – need clarification on TG attributes with JP  
ACTIVE – JMS to meet with JP (9/9); meeting happened 9/15, jms to send notes out; DONE~~

~~AI60 – problems with mds.globus.org  
ACTIVE – LAURA/MIKE to look at 9/9 DONE~~

AI61 – TG Demo for 9/25- Ncsa clumon in whatever state it is, Pbs at ncsa, Pbs at sdsc, All reporting to an index somewhere and a WebMDS setup for that index  
ACTIVE – NEILL, MIKE, LAURA (9/9)  
Now planned for ~~Oct 3, we think this is ok?~~ 10/10

AI62 - Mike also needs to do branch overlay stuff to have a deployable thing- talk to charles first  
ACTIVE- MIKE (9/9) DONE – not needed anymore

AI62 – GLUE schema xml mapping

ACTIVE – 9/9, JMS to get diff file for 1.2 from 1.1 from Sergio, NEILL to do mapping

AI63 - GLUE schema 2.0 refactoring work  
ACTIVE – NEILL to follow

AI64 – SC Handout – front general MDS, back half TG metasched, half trigger/edg  
ACTIVE – JMS 9/9

AI65- SC MDS on GridFTP disk to track GridFTP deployments  
ACTIVE – JMS to talk to Allcock 9/16, JMS to talk Allcock about this, scec has little info providers to see if gridftp servers are up, could advertise out what kind of backend a server is running so front end server could see what was there (laura's suggestion) – cc core 3

AI6 – JMS need to talk to ian about the feasibility of OSG work while TG going on here – passed to ian to talk to nika about TG appl, Carl to talk to guarang  
ACTIVE – woken up 9/16 – Ian to contact Nika, JMS to follow to evaluate if they need to select resources, DUPLICATE

AI19 – JMS to ask ian for pointers to users who might want per-user jobdata aggregation  
ACTIVE – woken up 9/16 – JMS to contact Nick K about this, OSG is another possibility, ask LAURA

~~AI4 – GT4 resource info into a classad so it can be used in a matchmaker scheme, might be useful to OSG?  
——— HOLD til jan 2006 – woken 9/16, talk to LAURA, a lot of work and no man power, follow up in new year~~

AI66 – Nick might be able to use Metascheduling info for circulation model application  
——— ACTIVE – JMS to send mail (9/16); JMS sent mail 10/10

AI67 – Globus Consortium wants to fund some work – JMS to follow up on

AI68 – jen to talk to ian about funding  
ACTIVE (10/10) - JMS

AI69 – laura to write campaign if there's money  
HOLD (wait for AI68) - LAURA

AI70 – peter lane's campaign – JMS to followup with him, maybe meeting oct 19-21  
ACTIVE (10/10)

AI71 – neill to writeup what had to happen to make TG work)

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AI 72 – neill to start work on a “patch: of the MDS stuff for TG  
ACTIVE (10/10)

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## HOLD LIST

AI58 – information providers for OSG for MonaLisa and BDII  
HOLD – laura (9/9)

AI4- - GT4 resource info into a classad so it can be used in a matchmaker scheme, might  
be useful to OSG?

HOLD til jan 2006 – woken 9/16, talk to LAURA, a lot of work and no man  
power, follow up in new year (noted (10/10))

AI23 - figure out usage stats work and write campaign

HOLD- maybe mike, probably 1 week of work to do implementation; JMS has  
suggested mike write campaign instead, should be discussed, 9/26 on hold

AI45 – run some performance experiments with security turned on (4.0.1 and jarek’s new  
code version)

HOLD – waiting until current perf experiments done (9/9)

SAI-1 – remove registrant EPR as a command line argument to the scripts

This should be by standard in

Make clear in documentation this is a untrusted value;

Laura- test to make sure this will work

If it does, JMS will contact board for 4.0.2 This is an interface change, so it needs to run  
by the board

Mike - RLS currently depends on this; UCLA ATS – this WILL happen for 4.0.2 (not  
next week)

Mike/Laura – doc change for 4.0.2

Guide for writing secure scripts for executor aggregator source

Release notes for 4.0.2 - “potential security concern”, will deprecate and change  
for 4.0.2

If it doesn’t work – contact security folks for plan B in august

HOLD. Need more info about next release schedule to prioritize this. 1 week of dev time. MIKE (8/12)

SAI-1b – the example scripts need to be fixed to reflect this as well  
testing is dependant on this-  
HOLD- MIKE (8/12)

SAI-2 – make sure anything we're about to run is not world writable (came up in context of useful RP) – mike  
HOLD – MIKE (8/12)

SAI - 3 – trigger service – comment out all dictionary entries (also with exec source)  
jim said this was most important  
tests are dependent on this,  
mike : 4.0.1 – comment out and add documentation about how to get tests to run  
jms – put in bug and contact lisa  
mike : 4.0.2 - fix tests  
HOLD – MIKE - The entries have been commented out for 4.0.1 but the test documentation hasn't been updated. Its not a critical failure in the test anyway. We do need better testing documentation and work on the unit tests in general. 1 week of dev time (8/12)

SAI-5 - Make gridmap authorization the default for trigger service  
4.0.2 – this is default for trigger  
this is adding a line to the config file, but will it affect actual users right now  
HOLD- mike (a few days to develop/implement) (8/12)

SAI-6 – make gridmap authorization for execution source  
4.0.larger than 2  
HOLD- mike (a few days to develop/implement) (8/12)

SAI-7 – trigger default minimum match time should be set to something sensible – von  
also suggests a floor for the entire service for the polling interval  
mike – 4.0.2  
ACTIVE – part of current trigger work (3 days) MIKE (8/12)

SAI-8 – my proxy for use between index service and WebMDS; pending – when you want to do delegation

LAURA - This is really too long-term to be considered an "action item", I think. This would be part of an effort to do authentication/authorization/delegation in index servers and push that feature all the way through WebMDS, and it really doesn't make sense without the other parts. We should probably talk about whether or not we want to do all of this for 4.2 (on the one hand, it would be a nice feature, but on the other hand, I don't know of anyone in the real world who's

expressed an interest in it). I suspect that the reason this is on the list is that the suggestion to use MyProxy as the mechanism for this part of the effort came up in that security meeting.

HOLD (8/23)

AI15 – neill to get hard numbers on how many things can register to an index for a couple different heap sizes, post 4.0.1, can be put in paper

HOLD: Neill has created a patch to ws-mds that adds a program to measure this performance, not yet added to CVS, but have run it in the past on ISI machines. Will re-visit after gathering performance data. (8/10)

AI20 – neill to do first cut of MDS2 to MDS4

HOLD: Not started yet. To be done after AI18 (8.10)

AI21 – also need transition document for MDS3 to MDS4 – WHO? (not neill)

HOLD – no one wants to do this (8/12), not a priority this week

AI1 – jen to follow up with Olle on MDS2 issues and nordugrid- waiting on OLLE

HOLD (8/10) - Repinged 8/6, 8/22, 8/24 – work on hold on their side, will notify when it continues

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## DONE LIST

AI2 – mike to add comment and bump priority of bug 2723 for 4.2 – DONE (pre aug)

AI3 – mike to work with jarek and verify tomcat for 4.0.1 – DONE (pre aug)

AI16 - JMS to talk to gigi about a campaign for clover coverage and other resources using the MDS4 budget, might include building better/new tests as well

DONE (pre 8/05)

SAI-4 – check over examples

laura- including ping test especially (maybe remove altogether) 4.0.1

laura to enter bug

jms to tell lisa

DONE - Bug 3548.

AI27 - Charles doing deploy

DONE – charles posted directions for binaries to mds-internal on 8/11



AI12 – query count in logfile so we can track number of queries - mike thinks he can do this 4.0.1 with log updates, off by default – missed 4.0.1, waiting in the wings

ACTIVE (8/12) – mike working on it, may be complete by 8/19  
NOT GOING TO HAPPEN – we don't have hooks

AI14 – neill to run a long running test with 20-100 enties after 4.0.1 is out  
DUPLICATE? See AI11 (8/10)

AI19 – what about a campaign for TG folks to do GridFTP data?  
NOT GOING TO HAPPEN

AI18 - neill will html-ize a combo of mike's mail and laura's mail and see how that works for instructions for infor providers

ACTIVE – neill to work with chris to get this onto web (8.10)

DONE – on website! (8/24)

[http://globus.org/toolkit/docs/4.0/info/index/WS\\_MDS\\_Index\\_HOWTO\\_Execution\\_Aggregator.html](http://globus.org/toolkit/docs/4.0/info/index/WS_MDS_Index_HOWTO_Execution_Aggregator.html)

AI38 – everyone to get TG accounts

ACTIVE- (8/10) neill only has UC account, laura re-requested SDSC account, Mike to look at what he has  
\*\* DUPLICATE

AI7 - OSG meeting july 20-21, Stu will be there

ACTIVE (8/10) - JMS pinged stu about any info from this 8/10  
DONE – laura needs to be at aug 30<sup>th</sup> meeting

AI 32- Torque info provider – Neill

DUPLICATE: Trying to roll into PBS info provider extensions (8.10); 8/24- just about done, same as 30

AI36- neill working with Ioan on perf tests again

DUPLICATE of A10 – ioan running tests (8/10)

AI39 – star day sept 9

DONE – jms to send out agenda (8/11 sent mail announcing)

AI41 – jen to figure out staffing issues for 2005-2006 developer money at ANL

DONE (9/16) – mail sent to ian, gigi, lee on 8/10

AI8 - Ian's OSG meeting in august, Mike thinks he can do this, spend a week in conn then go to VG – Laura going to go

DONE – Aug 30 laura will give us status report (8/10)

AI26 – everyone has an account on TG

DONE – still being sorted; MIKE going to check SDSC today, Laura still doesn't have SDSC account (8/25 – laura has account), DONE

AI42- Need to document and collate schemas (bug 3607)

DONE – assigned to cristina, laura will talk to her (8.24), DONE

AI46 – Neill to set up prototype index server of new pbs data at sdsc for laura to access remotely

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AI59 – need clarification on TG attributes with JP

ACTIVE – JMS to meet with JP (9/9); meeting happened 9/15, jms to send notes out; DONE

AI60 – problems with mds.globus.org

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